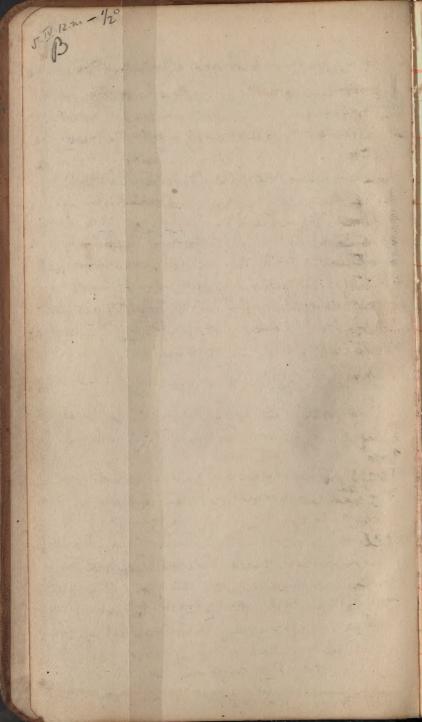


E.O. Hovey, American Museum 4 Natural History, New York City, U.S.A. Roll 44-1 - Extlant Strint in cabin of cluet 8 II. 16 Flash 44-2 Ekblan + Hovey do 44-3-22. II. 16 Caffain Peckels feeding some dogs. P.S.B. from the south 44-5- Jah-tjag and his doug beside the "cluett" on his arrival from the south 1/4/16 44-6. Parker Snow Bay Barlina + Evik 2/4/16



5 april, 1916. The big gulch Two miles west of the schooner originated in the Corrosion and Prosion of a masowe dike of diabase (?) which cuts the fink greiss vertically and trends essentially N.-S. The diffee is about 125 feet ande as exposed in the bay shore cliffs - Specs. 651 + 652 (Mufle) were taken about 2 Steek from western Contact. The bone diske is crossed at eightangles by 4"+12" dike of light gray wick containing much distitle Specs 653 654 (dufe) + 655 (choris Sapril. Spec. 656. Esterno skull - gift of It C. Fierels 10 april 1916 - Height of Carm Met. and Captain Pickels built a cain rocks on or about 12 Feb-1916. It is the highest point within sight from the Vessel and arses beside The big glacier ("Chrett", earlier "Comer glacier") and between that and the double-ended glasier ("Come", earlier "Chrett" glacies) on the conth at 10:45 with my barometer reading 1700 ft or 30,20 finches + thermon. +10 and ship's arrevoid reading 29.90" - See nexthan for table

3020. 15 april, 1916 2275 Ships areid Musleum Jerry (ship) Time . 29.90" COH 700" (30,20") +10 COH 10:45 A.M 14. J. H.
1600' 29.225 (2m) +3 11:15 29.90 11:45 29,90 12:15 29.90 3000 + 27.75 +6° 12:45 29.92 1:15 29.92 1:45 29.92 2:15 29,925 7501 30.15 2:45 This gives elevation as being 2300 feet above the sea. 0:2275 as and of up + down realings Lot of glacier (4 front as we see it for this) 900 feet Cartain Pickels - 1260 ft 1175 Dr. Struct mate Dairis 1250 norman 1500 Chief Cottoni 1100 En. Hover 2000 Dr. Hund reports some E, wind on the summit - Very keen. Temperature seemed 5°, at least, eolder than when he left ohis.

20 april. Crag abreast of schooner. I started about 21/5 p.m., clear, cloudless sky and moderate westerly breeze with temp. about + 12° F for top of aray via big gully earl of the igloo. 100' aneroid reading 2:20 sea level 8251 725-1 3 h- last knoll above igloo 885' 785-1 3:15 p. - highest point of cray 4 h. cealevel 75 810' average of up + down 797.5' .. call altitude 800 feet. posed in upper fart of guely up which I went - much homblinde - Squeezel band of tright serpentinged rock is evidently strongly metamorphound dike. Red and fink loope fragments are not grartzile but weathered greiss Bahril. 46-1; 8-04 Perdtlak and Ka-ahingwa hacking kamatiks beside meah cairn near igloo. and family standing at the entrance. 46-3; 8-or Kashingun startingforice fort 46-4; 8-02 Kashingwa and Pudtlak etat. ng from ship at 12:40 km.

16april - 46-5; 8-04 & O. H. in full Costume for walking in cold weather when calm or moderately windy. Journal grewin 46.6; 8.04. E.O. H. in full costume for cold weather sledging. II, p. 101. 22 april - 47-1; 8.02 Redges and provious in surface of big ("Clust") glacier arkead of Parker Snow Bay. 900 ft. A.T. 12:45 p.m. Ridges are most probably result of wind a chon on winter anow, frame longitudinal drifts which have consolidated into ice. noy. 47-2;8.04. Moat between glacier and eastern end of fist mountain adae on southern side of cluett glacier. Produced by prevailing wind caroning from mountain side during arrow storms and mor drifting - Bottom of most on its appropriation is count 1130 feet above dea ley averoid measurements. 24 april 47-3;8-04 Kudluktus Karratik and dogs about ready to start for Umanak with load of 8 bags Ex coal and case of milk. Fully 800 from do. 17 doap - 11:15 am

47-4; 8.04. Bird Cliff west of big gulch about two miles from echooner. Shows him nacle, great will of diabase in the greiss, elevated sea -grotto about 60 feet above the bay. 47.5; 8-02. Grounded ice beig and its ice foot North side bay about I'm from ohip. The ice foot shows pressure and movement. 25 april - 47-6: 8-02. Crew at work enting ice away from about rudder -26 april. Overland from bight (cache) near cape Dudley Digges to mouth of big gulch. at and mean cape nock is dark gray hornblendic guess strongly and intricately contacted - many verns of quarty and of fruit feldspar. Bight is northern and of small valley crossing the point and rather deeply microing it. Partably due to corrosion of basic dike, but now felled with majed fractured rock from the a goining walls of greess, particulaly on the west. at crest there is quite an area of flattish grass and more covered earth, which evidently is very fartile. grass grows luxuriantly and the place is a great resort of nabbits (tares). noted large diabase dike on plateau trending about S.E. - N.W. Frost disintegration grock

beautifully displayed everywhere of comer-Down to fine earth. Fragments are all or mostly out angular to rounded. Sharp angles only on minus recently broken from the ledges. Saw no er. to be immediately local. 1- May - 9x 16-1-435 Paper Frenche um the 16-2 4/35 Peter Frenche as if ar-& may gx 16-3 8/35 Brid cliff north side Parcer Snow Bay to show great sill. Cliff is about 900 ft high Country rock is of such dark in and overing hores that it is comewhat ambiely that the black sile with be prominent in the photo-I greis in it. What I took for deslast fall for the upper and of an inclined V- Shaped will intro sion is enthur an offer my transmit or (now fixely) the homblandic guess hing on the felospathie gness. The big diabase (3) and cuts noto the homblende queins at

the angle of the V and reparates it from an underlying projection of the feldshatthic greens wh contains in places heavy homblendie bunds -Spec # dupe of diabase from lungs frag ment fallen from the sill 25-30 yours west lift of show filed near Broken Rock point: Snow diff and mood on windward (S.S.) lide West of Broken Rock Point a horrywell alle or vill of diabase 100 + ft think is efform in the hornblande greiss. Projection in to greins about inequality of fisse a much more aftered than the big side already mentioned Horablerde grown conhumes to Cape Dudley Dryps. Its boundon with the felds fathic guess lies along top of Brid Cliffs Rocks Robert by hear will down elife Underunder

Rock fragments on amount and ice hools about them Picked a rock will gits west that a represent 2-3 inches into the snow Heard bids - pleasant many streamlets tricker down elift 7 may-19x 16-5-4/75 Captain Pickels and crew of "Cluett" (except Charlie & Ralph?) 19x 16-6 4/75 Do with charlie + Rulph 8x 16-7-10 all \$ 25 Men in groups of two lacks ought 7- caps, o make. 8 - norman + chief 9. Ben + Jaylor 10-Rache Much Vx 16.11-12 - 4/75 Crew. N.B. Promised Copies to the men-8 may. Extremely fine grained black basic (diabase?) dike in the gray hourblank. biofite gneiss at sen level about 1/2 mile west of biggulch in the Bird Cliff. Sinds out stringers ando the givess which are such orless in thickness and Trinch out

THE RESERVENCE 659. middled sixfoot hart of dike. The whole dike is extremely fine grained 660 - Dufe 1659 661. Stringer in the gness, fre-662. Dufe. 9661 663. Stringer in greis, inclosing sliver & greiss in the diabase 664-667 Soafstone from 12-18"
Zone of in salest talcose echist in gress 1/2 - 3/4 mile east of big gulch north side Parker Snow (chett) Bay -= /2m 668. Biotite + steatite lenticule from tolcose schist at Eskimo soapstone grany" The Estains "grany" from which

Puddak and others have gotter soup stone from which to make lamp afore Bea level in the face of the gneis cliff about 12 mile from the head of Parker Snow (Chrett)
Bay, north side. The best of steather
Jaily good quality is 12-15" thick and trands 190-1950 magnetic (= & 10°-15°5) - Cour perhaps variation is greater than 90° here or for this reading seems to be too great by twenty degrees Dip 70-85 N. Zone of serfentinized or talcose bighte Ichest is 6 to 10 or more feet wide in homblende tighte gness - Out crop of the zone can be traced rov Hards or more in face of cliff arsing toward last. Sheel 69 - rustlass havite fire bale. gift of melion lotton 14 May. 9x 17-1- Alakutsiak (# alacohah) beside his kamatik on wh. is bashed a kayak. 19-2 - Missionary and wife loading their kamatik. He is moving from Kratek to the vicinity of Cape york

9x. 3. Sigdluand Mene beside Kamatik 17-4 Eginguah & Sigdlu beside for Cape York. 16 may. 9x 17-5, \$75 Lower (western) end of big (cluett) glacier from top ? large queis erratic about 3/4 mi. distant Thous ice vertical ice from flanked by the incurring ends of the town main lateral morarnes 17.6 \$165 Vertical ice front of cluett glacur from point on outwash about 200 yards away. Shows curred and overfuned and folded ice-and-dict bands at right and nearly shought bunds in center of field. In lower one-third of the vertical face a bound of dut varying from 6" to 24" or 30" in thickness is prominent, the wash from it soiling the edges of the scab facent ice layers Debris consists of abundant fine gray sand and mud containing great numbers of bowlders f gray and red geneiss. In the lower left hand corner of the view are three or four large blocks of ice-and-dist which fell lash winter from the vertical ice brouk. Stones Constantly loosen and roll down from the thick larger of dist making a great house in the arctic stillness which is

disturbed only by the purling of the stream I water flowing from the glacer. many icicles should show in the photo, buttle beautiful screen composed of thousand of them which characterised the face a mouth ago has largely disaffered. Ix 17.8 \$50 Close view (50 frt) of a harry of the ice front of the "cluett" glacier showing overtuned folds and sigmoid flexures in The layers composing the glacier. Ix 17.9 4/50 15 10 4/35 Organiah, wife and two children abanding beside Einkis tupic on the beach at the head of the bay. 17 may 9x 17. 114/35 + 124/50 atengana seated on the sleeping trus in the beach severy on some mittens -Spec. 670. atengana's stone for rubbing skins. It is a prismatic fragment of trap rock, which she thought would interest me on account of the marks in one end which comfored to bushales of sinew. 25 May. 9x 18, 1-6 all \$25 Overcast sky + foggy -1 6.0. It in full costume for cold weather walking When calm or moderately windy. 2. Do using netsha hood à la Eskimo.

3. Es. H. in full regolia for cold weather scama. Tile riding as passenger, including caribon skin muff and fortail face protector. 4. Farlure 1 2. Es. H. in sledging costume as worn usually by Eskimo, i.e. without outside Kamischules. (But shed have worm realsky instead of tearstin mittens) 6. ED. H. dressed as passenger for karnatell riding in ordinary cold weather. 27 may. Two reels with the Ernemann motion picture campa of little ands flying peaching and billing and coming like dives on the talus slope and cliff near the new coal cache about 200 yards from "Me Chrett" 2 June, Spec. 671 - Beach peoble of grein ent by basic dike. Prettily faulted Head of Parker Snow Bay. 0 / / 0 June - 18, 7 925; 8, 9,50, 9, 9, 50, 10, 925 Ceftain Pickels in his gurs - 7+8, thood back; 9+10 hood on -18-11 /35 Loading a cask of water on to the cluett 18-12 /go Head of bay and Chrest (novthem) glacies from beside the vessel. 19-1 935. 6. VI. Loading water on to cluet.

6.VI. Spec. 672. Beach febble of angen greiss from elevated beach at head of bay near igloo. ing W from "Clutt" Effects of a N19-3 75 Do. looking &. N. E 119-4 990 DO 1 S.W. 11-VI. Spec. 673. Basic dike (hornblude) in gneiss. I also slope at hugissot (Igfissok) Parker Snow Bay, menens 674. Do. To be cemented to 673 The amount of more or less schistore (i.e. very strongly sheared) angen greiss in large and small blocks on the upper plateau is large. These seem to be erratics. Where is ledge! 13. II 9 19. 5 8/35 and 6 to 10 ace 8/65. Bright sunlight about 2 p.m. EO It in paro, refeating 18-1-6 to secure better nego - 8: double & N.B. Chief Cotton anapped the carrier & I promised frim a frint of the full costerine. 14. VI- gr 19-11 +12 8/295 Liale anks on talus slope above from where lumber was filed

19.12 8/295 Cliffs and little auks above same point. 120-18/90 00-\$20.2 890 Head of bay gramatak glacier. "Chect" Vin foreground at right. Some little auges shed show. Atrom elif primacle ca 200 ft. above lumber points. 120.3 8/295 Little anses penched Tales stope directly 120.4 8/295 Do. flying abreast of the vessel. 16.VI. gx.20. 5-12 W 78 50; 6, 30; 7, 875; 8, 865; 9/65; 10, 965; 11, 965; 12, 965 Series of E.O. H. in fur costerue. Taken by chief because the preceding act were not shoup. 1- netcha cealskin mitten, bearskin pants, kamikes, cop 7 \$8 - Do. but wearing hood Eskimo style 9 - Kooletah (hood back) bearskin mittens, bearskin hants, mausales, teamiles 10 - Do. (hood forward) seals sin mittens to 11 - Do. bearstein mittens 12 - Kooletah, beenskin mittens, bearskin hants, kamikpuks, neiff + face protector. mausaks 17. 51. 9x21-1 & 2 8/w- Ben, chirs and prefaming little any on degre for booking 21-3+4 mg/550, 5+6 mg/1000 Flying little ankis 675 - Beach pebble Ighissok (hrengrissok)
Parker Snow Bay augu greiss
(schistore)

21. VI. 21. 9+10 - \$15+30 sec. Catin store. Spee. 676 x 6.77 Quartzite from ledge north side Cluett glacier (the tig one) about 2 mi. from schooner. The fragments were taken from loose blocks, but the ledge is there and shows dip of 150- 800 N. (a guess). The grantife overlies and perhaps is interculated with a highly fissile mica or hydro mica schist. It also overlies the greesses. 24 June. Temp in shadow of meat rach ut factlater lafor at 12:40 p. 43° F Jusun 47° Barone ser en level as 12:30 1:30 p.m. 225 fr up on face of clift were side of fear & gut on from Egloo in my own shodow 42° Janam 44° to 50° a ce to whether the more healt free Re un this for is greins - feldipothic + micacions with bands of hom. Hendie + brother and strong reins I gut 2:05h 350 A.T. in shade 5. Side green 40° grein it very schistore have contains Shidohred bands + qualiteries with this at 450' sericitive questive (3) lin. formable dif 8 per 678

17 (150-200 yds distant) next northern knowly overlying the last of course is a banded about but apparely a quality with much mice in the 679 climbed 30-40 yas here + then collected \$ 680 - Micaceous greather Contains small familia differ 575 A.T. If there be really quarter to the Auporision is to be colored in to The total this alife can't I falod as Jose floors of unquestionable quality. die on Tot of The early school (form my west side of gullsh) at bour or eliff 700'AT! Dwoned swing grapis westing along brow + turn boundary nothing had been and and and process about process of a family with a family with a family with 3:30 pm Base of com 760 A. T. Carin mennes 7'3" high on past vide 28 June. Climbed shallow gully and face of cliff 200-300 yds early Pudtlakis yloo and found Hurorian quartick and schief forming upper 200 feet of the oluff. Is there a fault between this unall and the carn cliff, traversing and causing the larger gully directly above the igloo!

July Wenr ashore with Copyain Come of laris iggloo from si and The oldist I igoo here. This is one The edge of The short the near Pridtale's and has been one thind to one hard cut away by the which is 15-20 for high, with weather. a Recenterosion may have been done by attetidal wave which arefuter wholes according to local whor by our . Frenchen + the Esternios in spring Photo 1 Stracky felt as Sumely los Photo pr S. E. gully 12 mi wer of ship sor sow no quantity in talus or an place but on flateau at head of gully t for 12 mi W can many love anywer blocks of gray tyellowish gray quarters afformy wife for Nom some. No ares of privace sehismen bruk of cliffs. more debrit blocks toulders of greens. New ulround along odge of peaken to book of home in spell nothing ed bloises & some homblerate Superhy amount of sond soil on person

North Star Bay (19 Ge-122- Tringa canutus nest, clutch [22.2+11] + young - taken by W. S. Skolaws 9x 23-1-7 miga camitus 6y M E, E 114. VII 8-10 8/25 Tringa Baiodic young. Posed by W. S. I. near home at North Star Bay, taken by loth North Stan Bay Fort 11 /65 Beach embankement formeed of shingles by pressure prince foot Rasmissen's station Thule" in the background with M.B. 2:3-7+8 may be transfored on acor of some uncertainty in Gandling-15- VII. 24-1+2 Dog caught by tide 115. VII 24-3. 8/25- Habitat of snow builing. 124.4 925 11 p.m. Umanak Butte from house. 16. VII. 24.5 975 Umanak Butte fr. m. home 104 m 6- 735 Snow funting habitat, general. Do with bird itself on rock Entrance to anow bushings nest (6H)

17. TI 11- 8/10 Entrance to snow builting nest with male about to feed the going 24-12, 13, 14, 15 all \$10 young mon bunk-ings in the nest 25-4. To Banding a young snow brushing #12,219. 25-19, 8/10 Eider duck nest with three eggs: Islet new the Esterins tupies. 25-6-8/20 00-25-7 #9 - 8/50 Umanak Britle from the islet To show butheres of Huromian beds under the diabase cap. 258 20 - 8/10 Jernis nest on islet 18. VII. 25.9 9/25 astrufis monument from N: 2., near view 25-10-18 for S.E. more distant new 25-11 465 Thule Station headquarters Peter Frenchen on piazza 75-12 8/65 Lange Koch, W.S. Skolun + dogs in front of I hale house

19. TII By W. S. S. 7 & 1 Nest of Old squarer -26-2 Do. but further off. 126.3. young Lapland longspur. \$ 1264. nest tegs of bon-near view 3 126.5 - Site og nest of loon 3 266 Do at right angles to no 5 3 126.7 Knot stur young. 3-426-8 Do 126.9 Wind blown siet in stream valley. 125.10 Cassiofe association on glacial dune. 26.11 8/35 Naviana, Alnaloongua and Inich of beside house. 128-12 8/65 Do. but light struck. N.B. The girls were just starting to climb the Umanak havrana carry-ing her 9-day old baby in her hood. Later Mey did not go up the butte.

20. II. 27-1. Proup of igloos ar Umanak, North Star Bong. Woodenholme Sound. 272 \$50 Oned the igloos at Umanak, A.S.A. 37-3 8/50 Excavation in repose heap near old igloo Umanak, + 5.18. 127-4 % Two old Eskimo graves as umanel, to on shingle flat, North Stan Bay. 1-7-6. 850 Jupico as amanak, ASB 51457. 17.7 8/35 Pond and tupics at Umanak, White fitches of cotton grass (Eriophorum Schenengeri) in foreground. 27.8 \$35 I masok washing a netcha in a fond as umanak, 18.5. 6pm-17-9. 935 Imasok and Alexalunguah & South greenland child standing in four of Egingwa badus tupic. 6 pm. 21. VII. 27.10 8/35 Patches of Eniophorum Schench-zeri with found + tupics in background 10a. 27.11 8/50 general view of pound near

(23 tupies at Umanak, looking 5, w., to show thee plant zones on border: Eriopho. rum Schenchozeri on bank, Ramunculus hyperborous floating on the nature and Hippuris enegacis submerged with tops of stalks showing. 127.12 16/10 Erriophorum Schenchzen, close view of a small clump. Spec. 681 Diabase from the large surpre of ledge rock exposed near our house. 131.711 - 28-1 (graphic) 4/5- Quadrus of poppies 126-2 8/25 DO 128-3 64/5 Looking W & w from um anale - Edge & Umanace Britte, workenholme Is; Saunder as with 3 igloss in foreground (Dalrywhere) Early's mikitoks & metter. 128-4 32/5 Quadral of Rammenly Near lylos Umanat 128.5. 8/25 40 128-6 32/5 Diabore bowleder on ledgic unas nak their by frost?

28-7 32/5- Pond as Umanak 5 show Pleuropogon Sabinei, looking N.Z 28.8 128/5 Do in alteruph 5 get the background of nortenholm Somel Rasmussen Glicie avaight. 1. VIII. 28-9 3 75 (Overcars) Our sleeping tent 3. VIL 28.11+12 N.A. 32. Time N.S. B. looking W. v 29-1 DO. Stindling wholebay V 29-2 W.A. 32 June. North ShuBay Looking SW. encluding P. Frenchen's House but not quite all of the bay. V 29.3.62" 32/5- Panorama N.S.B. 7.1/2 from these photos of or s. B. free from ice. also send him one of the W.A. nego. Soil flow is well shown all over the sloping plain east and ENE of Frenchen's house and the earth glaceers vary in height at their lower ends from to 4 feet The latter, which reach the edge of the bay, are 50 to 100 feet long. Stream trenching is here with raised banks or dikes Well developed as a result of post achon

29 THE (Written 7: THE) Went with Exacross the plain and part way up the Uma nak - He carled my attention to the dike like embankment along one side - usually, if notalizans, the down hile side - of the furrous running or the subsoil dramage lines. Proba-My connected with freezing and tourdramage dem to follow cracks produce by shrinkage at any below the level of the ce table. Flat stones stand or loge and usually are arranged lengthwise of the furrows. Phenomenon of the imaginal removal James wil. Spec 682 + 683 are slabs of Anroman shall showing forsil hund cracles. Spec 684 Natrolite(:) aragonite (: I felling I crevice in the Huroman. Much of this material is scartered in frag ments over talus slopes and plan -8 august. Visited top of Umanak Butte with Ekblaw, Dr. Hunt accompanying formed by the edge of the diabase cap of the butte. Buttesses of Theromian

states, deales and quartrite at about 550 ft. above the sea (aneroid). These dip gently toward the west or south of west, and this is the highest exposure of them in the till, is after limit above the slope topping the bulliesses and at the lower contact with the diabase being about 600 feet above tide. Where we scaled the cliff the diabase will is about 60 feet thick. This seems to be its thimsest part. The upper surface of the plateau is roughly and in outline, with its longer drameler running approximately . E. - W. for about 300 meters. The sourface of the flateau is gently endulating in contour and its highest part is about 710 feet above The sea. It's general slope is slightly towand the W. S. W. The side of diabase trickens toward the west and is not less than 100 feet at the western end of the butte, when the diabase rests on massive buttresses of the sedimentaires. The effects of chemical weathering and mechanical disintegration are prominent in every direction; oxidation with and wishout hydration, flaking and round. ing of corners and edges, polygonal cracking on vertical as well as horizontal surfaces, sand and grovel, "desert varnish", corving by wind and wind blown sand (and snow?) Industion of the surface well is particularly shown along

crevices. In many places on the plateau these crevices are marked by a wall 2 to 4 mchos wide and I to 2 or even 3 inches high, extending in straight or nearly straight lines for several EK'S photos - Exposur 2+3 700 a filler of disintegrating work shaped like the bush of a woman. Eth 4 "50 Escarpment at western and of the Granak. Spec. 685. Fine-grained diabase from near bese Jescophment eartern end of Umanak Britte showing development of magnetik crystals by fumaiole action along crevice. 660' A.T. Thee. 686. Diabase from about 2 feet froms to contact at base of escarpment eartern end of Umanake Butte. One face shows groups of made pipite Xlo and epidote (?) on old fissure aurfoce. 600' A.J. Spec. 687 Diabase from about 2 ft. pour and of Umanak Bute. Duficate Spec. 688 Diabase. Coarse grained. Eastern end Umanak Bulle. 600' A.J. Lover fart of sill Wostenholme Sound 5 show ice + beres in the find. Eggingwah's + Egging was badis tupics in pregrammel. 39. 2 3/65 Umanak footing Wor NIV. across Worterhouse formal & show beg. Nehutislasoki (Pringanits) tuhic + hand with Floripogon in foreground. 11. VIII. 1916 - Want with Exchange to diff of Hurorian sedmentanes forgung south ride of North Star Bay and as about one-half mile from head of bay collected specs. 689, 690, 691 of the aragonite () and calcileand aragonite (?) bands intercolated with the shales . In the two speas -(690 + 691) who show calcute, May is above the anagomie in position. There are many of these bonds his a zone not loss Then 15 or 20 feet Thick and they extend for long distances with much regularity of thickness, though all are thin . as shown in these specimens the bands 12 - 2" those contain partings of whole. none that I saw exposed here showed clear anagorite (?) as thick as opec. 684 from loose fragments on the Umarrak Bulle -

12. Im & 30-3 925 North Star Bay from point near house. Very cloudy. 13 TTI - 30.4 935 Knud Rasmussen standing beside his house at Thule, North Stan Bay.
30.5+6 8/50 The Eskimo dog Saint Peter" 25 aug. Went to head of Wostenholme Sound in the molor boat "high Lis". molke Yacrer (fide Ramussen) has advanced greatly in past three years - Judging from fourt which he pointed undicated as its from in 1913, I should think the advance to being more transmile. Low promontory near head of find, southaide, is gray greess. time old stone igloo - all stone even by Esk. in winty 1907-8 (006-07?) 15. VIII. gc. 32.1 wo/so Fitzchanning rock, Booth Sound, from M. W. as 8th pm. Basalt cap on sedimentaries - a cylinder standing on a agular cone-90.32.2 / Narsak. Ca 9 a. m. Three Eskimos in Kyacks - Kuslutok (= Kood-lookto of Peary + mischillan) Kakatiak and Immak (son of Kolutingnak).

32.3 /0 Marsak Ininakin kyack. 32. 4 % 100 Narsak valley and small piedmont glacien east yet. From the N.
on the moving "Inger dis" 32:5- 1/00 Northumberland Island from the S. E. From morning Inger Lis". 32.6 5/100 Eastern fart of southern coast of Herbert Island from S.W. From highligh 32.7 % Mlugset, Hubert Sland. Western for of settlement of 11 topics. 32-8 8/2 /Do, Eastern hours. 32-11 1/25-Vet Ulugsset. Aviangonneg (anawiki visten, Tungwiki wife) laying out fair y karriles for Captain Comer to be made 32-12 920- allegsset. Fromp of women and children in front of tupic. I value with annue taby 33-1 425 Ulugsset. I glood in process of construction. Front new 33. 2 % - Do- Interior.

33.3 /25 Ulugget. Large igloo an process
of construction - Tonquiki + habitis 25. VIII - See 1.30. 29. VIII Eider Duck Island - gray feldspathic greess inclosing counded masses of hombleshie greiss. Excellent ajample of an igneous gness carrying magniatic been rounded by resorbtion. Highest point of the island is 60-75 feet above the cea. This and other points have been nounded and smoothed by the grinding action of the seacce and many other smoothed purpose indicate abrasion by the are. The givers is intersected by many veins of fearnable. Here counts marry of feldshar and some are along - 1 to 2 ft Dalrymple Rock, Lampled on the eastern side. Strongly contorted greens of different aspect from that of Eider Duck Island . Predominantly a gray feldspethic greins with numerous great veins of course pegmatite consisting principally of feldspar The feldsfor feguratite breaks down under the action of the frost more rupidly hair the gressie country cock, stallow tranchesbeing formed this

Saw one string of magnatic inclusion of homblendic green showing resortthen edges. Three offour of the included manes formed the series, surface of Darrymphe Rock is very sagued and troken but the points up to as least bafeet above the sea (as high as we clims ed - on a side knote) have been ment amounted and consided by ice action 30 Rugust - Wastern (or S.W.) point of Sanders So. "Kond's Harbor" Cliffs are remarkable for their verhality. go down sheer into the water. Collected specimens of the purplish purp rock which on near new looks more like limestone than it does like the quartite or sandstone that I have sufficiel it to be. I easily scratched with temps thate-Dark gray is shall fight gray seems most like an impure limestone or cal. 11 September - Smid or cutte fil seef. 43 (700) 15 September - Etah - Colleged charophores in front of house and are trying to preserve them. got two species of Callearriva or a related genus one with contract. ed top and tentacles six or eight times as long as the body, the other with more expanded to and much shorter the territacles. Bodies 1-14" across-

at least two species of Beroe one looks like a cose put mustimely of all sizes up to about three enches in diam. as it floats on the bay. Seem usually to float with infundibulum up and month down fixing in the tray, The shape is that of a circumber and the largest specimens offained measure 45 4 + , Sinches long and 13-14 mches a cron-Infundabular end is rounded, oral and somewhat contracted so that the mouth is not bell shaped as in figure of Beroe Jorskalie of p. 211 of Text books gool vol. I. Parcy + Haswell . Common another form, referenced by one ofecime is provide brown in color, broader in proportion to length, when compared with preceding, and mouth is more expanded Collected one specimen of a large (7 timber) Beroi (?) ancumber-shaped form which was herectly colorless except for a dark from lump at the infunditular end of the mass - This was more deletake that the other forms and was tom to pieces an transportation and transferal with inadequate tools These rose hink Beroe's are strongly phosphorescent. "akpiasuah"

Spec 701 another armon coelentrate is a bell shaped arrival 1-14" high by \$ 1/2-3/4" across. Flaring month with frings of animel is very active, summing by contracking the body and forcing water out though The month. Delecate burns orange color in bod and dorker in fring. also lots of "anik", a little pteropod (?) 17- Dept. Sawbut four celly fish Today - two 18 Seft. Got two medium arged (3" Long / Beroë tolay - San no more. 18 left . Riffle marked sandstone and quantity Capo greis, beginning about 3 700 feet above the sea. Deems to have nontheily dip. Strong green larger to much epidolized or chloritized, though the color Dug gests capper stam. Prot chlorite purt above this ses a 3one of cherty makingle in an impine limestone That is the work has weather any from the chest and is cardily cont scratched with a kinge but it does not effer-Vesce under strong HNO3. We have no Hal Differential weathering fromounced and some of the lumps look like masses of Stromathora Specimens 692 + 693.

above Provision Point and from 100' to 100 above the sea there is a consid erable area of gneiss which shows the characteristic rounding smoothing and grooving which are due to glaeal action. Motion was from northeast parallel or nearly so to ages of good Surface is now covered with black lickens love the atration is perfectly 21 Sept. Went along south shore of fjord for about a grile east of Leadquarters. The great file of gravel and boulders near the foot of which the house stands looks like an accumulation of loner debno and presents three elevated strandlines or beaches above the sea Surface is mostly rounded and 3 feet in diameter. Prink feldspathie greiso fredominates, but there are many bowlders of black horsiblendic gness mingled with them. This deltal for is about a half mile broad at bealevel. moe thinks it is a glacial moraine maccount of the bouldery on top, and I think that the fine material has been washed out leaving Tetowlders. I have not get obser-

ed strappication in the walls of the great girlly out by the present stream This gully shows the big bowlders on the surface gets bollow and has raised borders. Considerable water comes down has in the summer we encounter the massive greens forming the shore for a last mile, more or less. This is a prink feld spatting work, contoining many bands of hornbludic gness, the father being intersected by countless verns of course feldsfor and quarts, feldshow predominating, Projecting points are counded and have been smoothed by ice action Perhaps this can be correlated with me glacially emounted and eligibles surface on Provision Point (see p. 36) 22 Sept advancing up the fjord the home blendic guess mereans an proportion and seems to be The only or predominating rock from 12 miles 23 Sept. Ix. 30.7 8/25 Placially rounded About 100 ft. above the sea. Looking ca N.

23. IX. 2, 30. 8 Blacially rounded smoother and striated area, of grains beyond and a. fore Provision Point, 100 ft. & above sea Looking Ca N. 675. 30.9 8/25 / Glacial groones. Same region near view Looking S.W. 30.10 8/25 Same as 30.8 30-11 8/20- I Glacially rounded surfaces of gneiss above next point nest of Provision Point. Dark komblendic queiss. 30.12 8/25 Front of valley flow (solifluctions) gravel and boulders - near view. Solifluction? Half will wast of Provision Point. 31.1.8/25 Negroiew of amale very smooth surface of greiss which, like others in the vicinity, has been protected in some way (hobably by a felling of gravel) from too much frostaction. Point west of Provision Point 31-28/25 Headquarters and the gravel-bowleder bank behind it, showing three elevated beaches above the house beach. From ledge above Provision Point.

25 Seft. Climbed with mac to top of Therman it fill forming westernextremity of the northern side of Foucke Fjord - my android gave elevation 1025 ft. his 1000. On his as cent a week ago he got a reading of 1050 ft. Thermometer who he left there a week ago gave min 8.90 max 34° The cap of the Rill is a bed of diabase 30 to 40 feet thick. Speckness No- 694 & 695 dufe Sec 696 was taken from bed of much de com-Josed diabase?) lying below the cap and perhaps separated from it by a bed or When portions of Thermomety Still show gravel + boulder streams or flows (solifluction) in exceptional develop. ment. 50-100 feet below ourmin't on western side there is a well marked flow of this kind which seems to be vide, descending en southward The rock ellerstrated by spec. 696 disintegrales into bullet-like gravel scattered through ferriginous yellowish brown sand and this mixture flows down hill like a stream or The level portion of the hill 850-900 feet afore sea is a regular quicks and or quag mire mythere of clayer matter of gutito bito

Kayase + Kohda fecit

40 cfobr. gr 31.3! 8/35 Looking ont toward mouth of fjord from war 9x31-4 8/35. Cove in ported house. Low tide showing cakes of ice on furth destroyed ine foot 7 October - Spec. 697. Quartite febble from terrace year house - Shows worm burroup (?). and rounded to Och- Starr Island is well grower glacilly 25 clober. mac, lot and I write the heal of Itukashu and nucanfringwah set a Their about one third mile from lower and - Dehhaps soo the above the sed. mac used theodolike and considered line to be normal to the are ordinary such gas fife about 3'6" long and an ount in anger holes 14 0015 mches deal. There he 14 of the states and the intervening spaces measure from 50 to 100 yards in length Outer stakes are on bring steep sides of the glacier bordering the side valley all are set in the tops of thermocks of solid ice. The purpose of the glossier is extremely hummock, there being

scarcely any level surfaces to be seen -There is a large river channel new the west northern border of the glacier which is the sed of a considerable offeam durlug the summer. Hard walking on the orner ice without creepers, but we got along fairly well when we kept the bottoms of our kannes free from gnow. I tred some hot nailed wading moccasing that had been brought up with the idea that they would be useful in proteching learning on arck your, but they were of little use. Calsain Come defermed the ace to be 23 & inches thick and the water about 12 feel deep at a distance of 10-75 feet from the fronts of the glacier Largest troub (solumn trout) caught to day measures 2 3" long + weighs 53+ bls. It was careht by affirmah. I ce cracked frequently under some pressure - probably both from the glacier and in flort of water to be investigated. Kahda cought a little trout that seemed tohave much larger fins proportionately Spec. 698 26 October - Marved out wrapped in in cheese cloth and placed in 75% alcohol in a sgal milk can

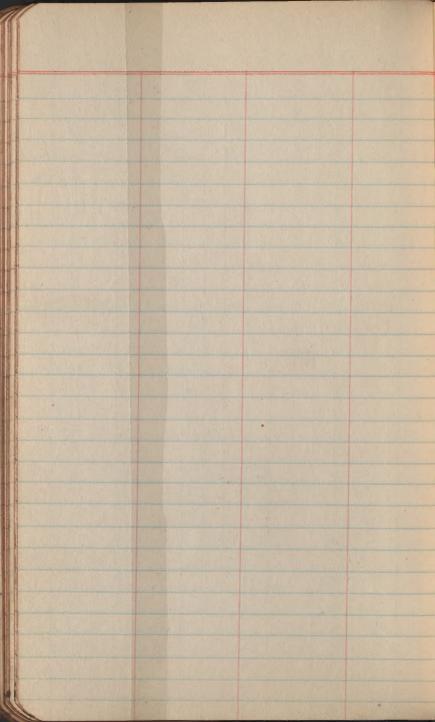
the bout caught yesterday by Kahda and four salmon trout brought back by the askimos from their fall caribon hims These were caught in a small uncharted lake a short distance inland Jon advance Bay, greenland, in lat. 17908' N., just south of Humboldt glacier The fines have become somewhat damaged kyring trans. portation in a frozen condition, then locality this for reported m freeland itself and they are preserved for identification. would great killed through the in of Bancroft Bay, neenland, on 15 October, 1916, by Akputishao. Placed in 10% formaldehyde. mansferred to 75% alcohol on 31 October. Thee. 700. Decapod squid or cutte fish collected by accomodingwah on the beach of Alad of Foreke Fjord on 11 (or 10?) September and Groughs in by Parinkha. Placed fish in 50% alcohol, laty strengthened to 80% alcohol in which it sion is n. B. Fall information given on Mor by hucarpingual (as son) who says These

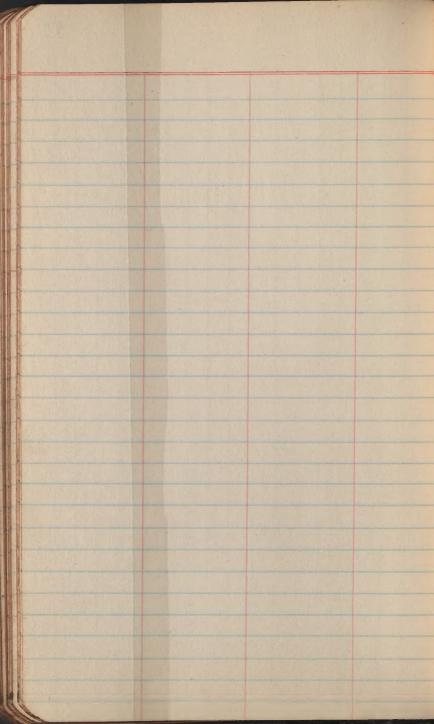
Spec. 701. Beroë Calliania & see //-5 Feb. 1917-Radcliffe Island is the first and largest of the three colones forming south side of entrance & the fire is of hourblendic greis much gravel mixed with much helble's occurs on the island. The exposed rockledges are well grow ed and streated glacially. movement of ice apparently from northeast the proportion of nock exposed is less than on Starr Island. More march. 9 Feb. Visited Brothe John's Hacir. Ice of lake proves some advance of nor-Them portion of glacier during the writer Jen to think feet in front of the glacier a ridge of lake ice has been raised roughly farallel to the front of the glacier or here largest this sidge is approximately tenfect high with sides sloping at 45°. This would indicate a crude estimate of 8 feet of forward motion in the fast 160 days, or about I'm her day. He ice is broken at the top of the arch. It rose from the surface of the lake and left an open space. Roof is perhafs 15 inches thick. mac tills me

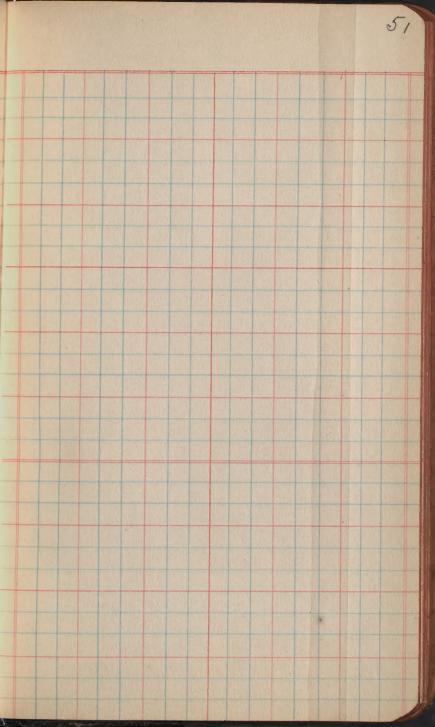
45 that he and Explainentered the open easily have stood there then. He took photos. note on Perret camera- Speed 6 seems to be about the same as speed 4 of grafter or aperture 4cm sheed 6 of Parnet gives on 1/25 oec. exposure 712/2 = cn u.s. 10; (716=16); 18=20; (20=24); 725=ca u.s. 39; (32=64); 36=84; (128=45); 750=": "160. The place exposures of 12/2/4/6 (= 10/25) on Penker Snow Point and of 18/4/6 (= 20/25) on Explan glacier near the on 11. I 1915 gave very good results. We were only three or four miles distant (perhaps less) when these views were taken. Film exposures of same deaphragues and times on more distant mountains and ice masses a month previously were too great. approximate table (compared with graplex) Jensin 6 /195 1/25 1 9 1/295 1/90 1/35

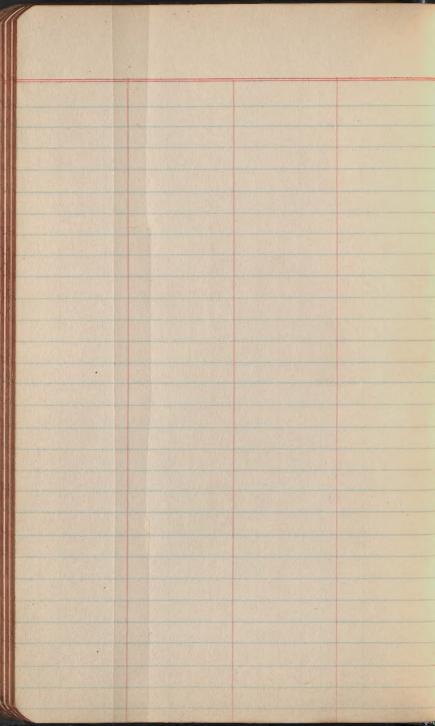
7 March Visited Brother John's glacier. Visited line of states but could not be sure from imaided are observation that there has been any movement. astake in the middle of the southern half of the sine is or seems to be faither west than the others, but this may be due to original setting. at the laste a second ridge has usen south of that noted on p-44. This is larger, longer and higher, the crest being 15 feet above level of lake ice in its highest part. The stoss (glacier) side of the aidge shows beautifully the direction from which the pressure came, being flexed back at top to and beyond the vertical on the distal side of the ridge the ice has been been down below the general level of the lake surface forming an open hollow 1.5-2 ft deep- a similar hollow was formed on the propulation of the kidge, but water got in and it is now full of new ice. This ridge extends from the north to or beyond the middle if the front of the glacier. affaiently it is the result of movement which has taken place within the last four weeks, amounting to at least 10 feet horizontally. Relations are approximately as represented in The following section

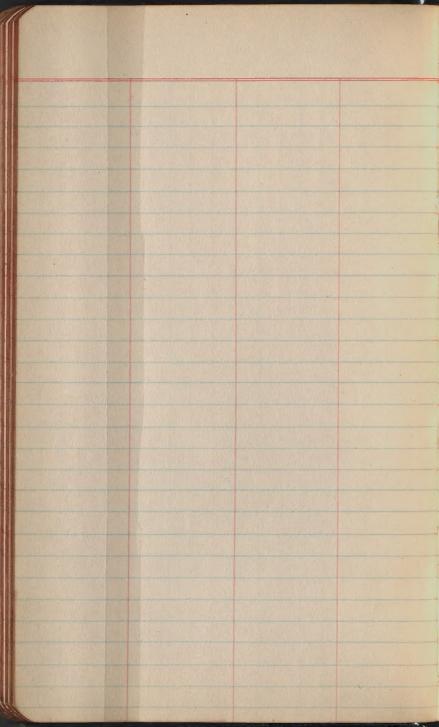
glacier & Lake

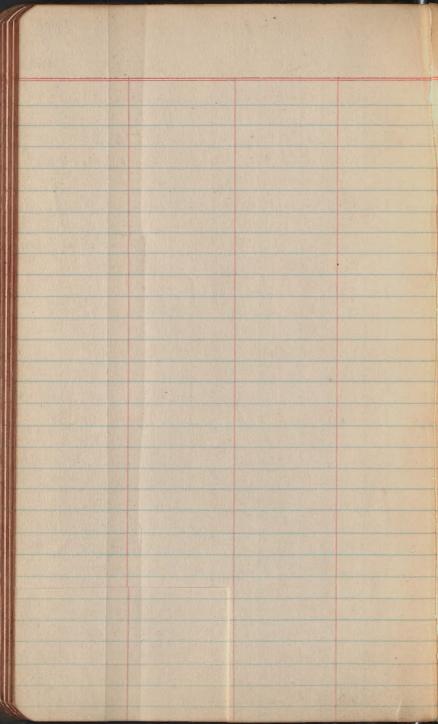












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Courses across Melville Bay (H. C. Pickels)

Cape york to Cape Seddon

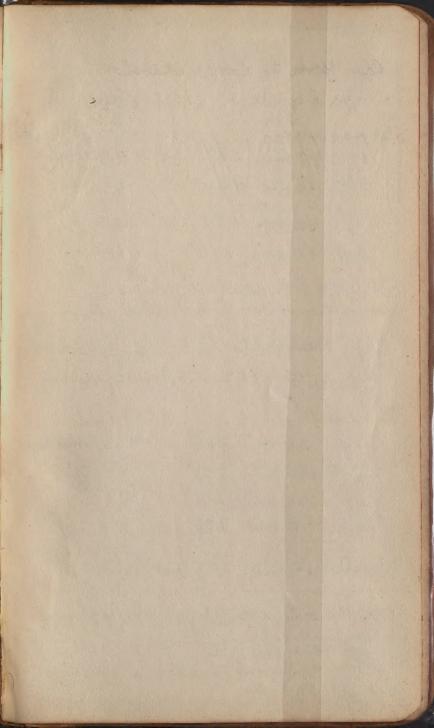
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Dist. C. J. - C.S. 130 geogr. = 150 statute mi.

Cape Melville to Cape Seddon

	Tru	e S.E. by 1	E. 3/4 & Th	ne=116°
		seoor mi		Statute mi.
Magnetic		20 mi.		22/2
	22	20 "	204°30'	222
	34	20 "	203°	22-2
	44	20 "	202"	22 2
	5-2	20"	201°	22/2
for	+	5"	2000	6

Dist. C.M. - C.S. 105 geogr. = 121 Statute mis



Courses across Melville Bay-H.C.P. Cape york to Cape Seddon. Jue = 107° = 6.69 S.1/2 S. magnetic 1 at 40 mi. 1970 = 45+statute mi. 2ª 40 mi 194° 45+ " 3 40 mi 1920 45+ " 190° 11+ " Last 10 mi Dist. C. Y. to C.S. 130 (150) miles, Cape Melville to Cape Seddon. Jrue = 116° = 5.8. by 6. 3/4 E. magnetic 206° = 23 statute mi. 1 st 20 mi. 2 nd 40 mi 45+ " 203° 3° 40 mi 201° 45+ " 6 4 Last 5 mi 290° Dist. C. m. to C.S. 105 (121) miles. Note. The record of the daily "auns" of the Cluett" from her position of sevil's thumb around to Cape moderite totals 128 miles. That from off thom Island to off cape melville Tolats only 54 miles



